

**REPORT OF CHANNEL CONDITIONS  
100 TO 400 FEET WIDE**

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**DATE** 25 Aug 2017

**TO:** The Record

**FROM:** U.S. Army Corps of Engineers  
26 Federal Plaza, ATTN: CENAN-OP-ST  
New York, NY 10278-0090

**RIVER/HARBOR NAME AND STATE:**

New York and New Jersey Channels, Perth Amboy Anchorage and Ward Point Bend Secondary Channel, New York and New Jersey

**MINIMUM DEPTHS IN  
CHANNEL ENTERING FROM  
SEAWARD**

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MIDDLE HALF (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	AREA (acres)	DEPTH (feet)			
<b>Reach U (Perth Amboy Anchorage) Area No. 1:</b> Irregular trapezoid bounded approximately by GREEN CAN #3 EBB, YELLOW CAN B EBB and the Ward Point Bend West Reach	Map 1394, Sheet 1 of 1; 16-18, 22-24 May 2017	Irregular	154.2	37		26.0	
<b>Reach U (Perth Amboy Anchorage) Area No. 2:</b> Irregular trapezoid approximately bounded by YELLOW CAN B EBB, YELLOW CAN A EBB, GREEN #55 BUOY W/ LIGHT EBB, GREEN-RED-GREEN BUOY "W" EBB & GREEN LIGHT #53 EBB	Map 1394, Sheet 1 of 1; 16-18, 22-24 May 2017	Irregular	52.3	25		18.3	
<b>Reach U (Perth Amboy Anchorage) Area No. 3:</b> Widening commencing approximately 330 feet west of GREEN #55 BUOY W/ LIGHT EBB and continuing to Ward Point Bend East Reach	Map 1394, Sheet 1 of 1; 16-18, 22-24 May 2017	Irregular	1.7	35		39.5	
<b>Reach U (Perth Amboy Anchorage) Area No. 4:</b> Widening commencing approximately 115 feet south of FIXED AID "DAY MARK #1" LIGHTED and continuing to Ward Point Bend West Reach	Map 1394, Sheet 1 of 1; 16-18, 22-24 May 2017	Irregular	8.2	35		34.2	

**REMARKS:**

- All reported depths are relative to Mean Lower Low Water (MLLW) datum.
- Channel reach areas are in acres.

**NY & NJ CHANNELS - PERTH AMBOY ANCHORAGE**

- Reach U (Perth Amboy Anchorage) Area No. 1** – Shoaling exists along the entire anchorage’s southwestern boundary and extends approximately 815 feet towards the Ward Point reach. Shoaling exists approximately 240 feet east of FIXED AIR “DAY MARK #1” LIGHTED and continues to the northern boundary of the reach with an approximate width of 1,290 feet. The controlling depth of -26.0 feet MLLW exists approximately 180 feet north of YELLOW CAN B EBB and 180 feet south of GREEN CAN #3 EBB.
- Reach U (Perth Amboy Anchorage) Area No. 2** – Shoaling exists in the anchorage’s southern portion approximately 110 feet southeast of YELLOW CAN B EBB and continues 775 feet to the southern boundary with an approximate width of 1,365 feet. Shoaling exists along the toe of the anchorage approximately 1,380 feet east of YELLOW CAN A EBB and continues 495 feet with a maximum width north of approximately 260 feet. The controlling depth of -18.3 feet MLLW exists approximately 220 feet north of YELLOW CAN A EBB.
- Reach U (Perth Amboy Anchorage) Area No. 3** – No shoaling exists in Area No. 3.
- Reach U (Perth Amboy Anchorage) Area No. 4** – Spot shoaling exists approximately 615 feet north east of FIXED AIR “DAY MARK #1” LIGHTED and continues 780 feet northeast across the width of Area No. 4. The controlling depth of -34.2 feet MLLW exists approximately 1,260 feet northeast of FIXED AIR “DAY MARK #1” LIGHTED.

**REPORT OF CHANNEL CONDITIONS  
(FOR CHANNELS 400 FEET WIDE OR GREATER)**

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**RIVER/HARBOR NAME AND STATE:**  
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**MINIMUM DEPTHS IN EACH ¼ WIDTH OF CHANNEL ENTERING FROM SEAWARD**

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MID-CHANNEL		RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)		LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	
<b>Reach T (Ward Point Bend Secondary Channel):</b> From junction with the Ward Point Bend East Reach at approximate location of GREEN & RED CAN #E EBB to junction with the Perth Amboy Anchorage, approximately 820 feet northwest of RED NUN #6 EBB.	Map 1396, Sheet 1 of 1; 16-18, 22-24 May 2017	400	0.83	30	18.3	18.2	18.2	18.1

**REMARKS:**

- All reported depths are relative to Mean Lower Low Water (MLLW) datum.
- Channel reach lengths are in nautical miles.

**NY & NJ CHANNELS - WARD POINT BEND SECONDARY CHANNEL**

- **Reach T (Ward Point Bend Secondary Channel)** – Shoaling begins along the Left Outside Quarter of the channel, approximately 40 landward of GREEN CAN #1 EBB and extends into the Left Inside Quarter of the channel. Shoaling in the Right Outside Quarter of the channel begins approximately 230 feet landward of GREEN & RED CAN #E EBB and continues landward for approximately 580 feet with a maximum width of approximately 80 feet. Shoaling thence re-emerges into the Right Outside/Right Inside Quarters at a point approximately 60 feet landward of RED NUN #4 EBB, and widens to a full channel width shoal when it joins the Left Outside/Left Inside Quarter shoal at the approximate location of the DAY MARKER. This full channel width shoal continues landward for approximately 2,300 feet to a point approximately 285 feet before the end of reach. At this point, approximately 285 feet before the end of the reach, project depth becomes available for the remainder of the reach. The controlling depths exists approximately 300 to 640 feet landward of the Day Marker in all Quarters.